

For the entire Commonwealth this gives a coast-line of 12,210 miles, and an average of 244 square miles for one mile of coast-line. According to Strelbitski, Europe has only 75 square miles of area to each mile of coast-line, and, according to recent figures, England and Wales have only one-third of this, viz., 25 square miles.

(ii.) *Historical Significance of Coastal Names.* It is interesting to trace the voyages of some of the early navigators by the names bestowed by them on various coastal features—thus Dutch names are found on various points of the Western Australian coast, in Nuyts' Archipelago, in the Northern Territory, and in the Gulf of Carpentaria; Captain Cook can be followed along the coasts of New South Wales and Queensland; Flinders' track is easily recognisable from Sydney southwards, as far as Cape Catastrophe, by the numerous Lincolnshire names bestowed by him; and the French navigators of the end of the eighteenth and the beginning of the nineteenth century have left their names all along the Western Australian, South Australian, and Tasmanian coasts.

**5. Hydrology of Australia.**—It is not the function of this Year Book to furnish in any one number a complete geographical account of Australia, but, as previously indicated (Year Book No. 1), it is intended each year to give the most complete available information concerning some special geographical element. In this number an enumeration of the rivers and their approximate lengths is selected.

On the whole, Australia is a country with a limited rainfall. This is immediately evident on studying its river systems, its lakes, and its artesian areas. Its one large river system is that of the Murray and Darling Rivers, of which the former stream is the larger and more important. Many of the rivers of the interior run only after heavy rains. Depending almost entirely on rainfall, a consequence of the absence of high mountains, they drain large areas with very varying relation as between rainfall and flow. Thus it has been estimated that not more than 10 per cent. of the rainfall on the "catchment-area" of the Darling River above Bourke (N.S.W.) discharges itself past that town. The rate of fall is often very slight.

(i.) *Rivers.* The rivers of Australia may be divided into two great classes, those of the coastal plains, with moderate rates of fall, and those of the central plains, with very slight fall. Of the former not many are navigable for any distance from their mouths, and some are difficult of access or inaccessible from the sea on account of bars.

The two longest rivers of the northern part of the eastern coast are the Burdekin, discharging into Upstart Bay, with a catchment area of 53,500 square miles; and the Fitzroy, which reaches the sea at Keppel Bay, and drains about 55,600 square miles. The Hunter is the largest coastal river of New South Wales, draining about 11,000 square miles, before it empties itself at Newcastle. The Murray River, with its great tributary, the Darling, drains a considerable part of Queensland, the major part of New South Wales, and a large part of Victoria. It debouches into the arm of the sea known as Lake Alexandrina, on the eastern side of the South Australian coast. The total length of the Murray is about 1600 miles, 400 being in South Australia, and 1200 constituting the boundary between New South Wales and Victoria.<sup>1</sup>

The total length of the Darling-Murray from the source of the Darling to the mouth of the Murray is 2310 miles.<sup>1</sup>

The rivers on the north-west coast of Australia (Western Australia) are of considerable size, e.g., the Murchison, Gascoyne, Ashburton, Fortescue, DeGrey, Fitzroy, Drysdale, and Ord. So also are those in the Northern Territory, e.g., Victoria and Daly. The former of these, estimated to drain 90,000 square miles, is said to be navigable by the largest vessels for 50 miles.

The rivers on the Queensland side of the Gulf of Carpentaria are also of considerable size, e.g., Gregory, Leichhardt, Cloncurry, Gilbert, Mitchell, etc.

Owing to the small fall of many of the interior rivers, in wet seasons they may flood hundreds of miles of country, while in dry seasons they form a mere succession of water-

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1. These distances were differently given in Year Book No. 1, but have since been measured on large scale maps, with the results as shewn.

holes, or are entirely dry. It is this fact that explains the apparently conflicting reports of the early explorers, one regarding the interior as an inland sea, and another as a desert.

The rivers of Tasmania have short and rapid courses, as the configuration of the territory indicates.

The following table<sup>1</sup> gives a list of the principal rivers in each State together with their approximate lengths, and shews moreover the tributary systems and the lengths of the tributaries:—

A comparison of the different sources of official information as to the lengths of the rivers of the Commonwealth shewed considerable discrepancies, even in important and well-known rivers. These discrepancies were relatively so large that it seemed desirable to re-estimate the lengths by using the largest scale maps available, and following all the bends of the rivers. This was carefully done for all the States by two methods—the mean of the two results, differing very slightly, being taken.

In the case of Queensland, South Australia, and Tasmania, the Lands Departments of those States were good enough to supply the lengths: where these substantially agreed with those computed as indicated, the lengths furnished were adopted. In the very few cases where the discrepancy was large, the result computed in the Bureau was retained in preference.

For purposes of reference, the following table has been prepared shewing the magnitude of the discrepancy:—

#### COMPARISON OF PUBLISHED LENGTHS OF VARIOUS RIVERS IN THE COMMONWEALTH.

| River.                          | C'wealth<br>Official<br>Year Book,<br>No. 2. | Statistical<br>Account of<br>Aust. & N.Z.,<br>1903-4.<br>(Coghlan.) | Notes on the<br>Colony of<br>Victoria, 1875.<br>(Hayter.) | Victorian<br>Year Book,<br>1906-7.<br>(Drake.) |
|---------------------------------|--|---|---|--|
| Murray (between Vict. & N.S.W.) | 1,200  | 1,250   | 670   | 980  |
| Murray (total length)           | 1,600  | 1,719   | ...   | 1,300  |
| Clarence                        | 190  | 240   | ...   | ...  |
| Macleay                         | 160  | 200   | ...   | ...  |
| Manning                         | 150  | 100   | ...   | ...  |
| Hunter                          | 340  | over 200  | ...   | ...  |
| Hawkesbury                      | 335  | over 330  | ...   | ...  |
| Shoalhaven                      | 220  | 260   | ...   | ...  |
| Murrumbidgee                    | 1,050  | 1,350   | ...   | ...  |
| Lachlan                         | 850  | 700   | ...   | ...  |
| Snowy (in New South Wales)      | 170  | 180   | ...   | ...  |
| Snowy (in Victoria)             | 95   | 120   | 85  | ...  |
| Mitta Mitta                     | 125  | 175   | 90  | 175  |
| Ovens                           | 110  | 140   | 100   | 140  |
| Goulburn                        | 280  | 345   | 230   | 345  |
| Campaspe                        | 100  | 150   | 85  | 150  |
| Loddon                          | 155  | 225   | 150   | 225  |
| Avoca                           | 140  | 163   | 130   | 163  |
| Wimmera                         | 155  | 228   | 135   | 228  |
| Yarra Yarra                     | 115  | 150   | 90  | 150  |
| Hopkins                         | 135  | 155   | 110   | 155  |
| Glenelg                         | 280  | 280   | 205   | 281  |
| Barwon                          | 75   | ...   | 70  | 95   |
| Werribee                        | 60   | ...   | 55  | 70   |
| Saltwater                       | 65   | ...   | 70  | 170  |
| La Trobe                        | 70   | ...   | 90  | 140  |
| Macalister                      | 110  | ...   | 65  | 115  |
| Thompson                        | 60   | ...   | ...   | 100  |
| Mitchell                        | 60   | ...   | 60  | 80   |
| Tambo                           | 90   | ...   | 85  | 120  |

1. The information is given in much greater detail than is possible on any but the largest maps, and is, therefore, not generally available. The series of Year Books will thus furnish detailed information of the several geographical features of Australia.

## APPROXIMATE LENGTHS OF PRINCIPAL RIVERS OF THE COMMONWEALTH.

R. signifies tributary on right bank, and L. on left bank.

**5A. New South Wales.**—Starting at the south-western extremity and going easterly, northerly, and westerly.

|  | MILES |  | MILES |
|--|-------|--|-------|
| Murray River (total length between New South Wales and Victoria) | 1,200 | —Murrumbidgee River (continued)                                    |       |
| R. Anabranch of Darling  | 320   | L. Goodradigbee River  | 60    |
| R. Darling River (joins Murray 150 miles from S.A. border)       | 1,760 | R. Molonglo River  | 90    |
| L. Talyawalka (Anabranch)  | 260   | R. Umaralla Creek  | 90    |
| R. Warrego River (joins Darling 950 miles from mouth), N.S.W.    |       | R. Kyalite Edward River  | 280   |
| portion  | 130   | L. Wakool River  | 240   |
| R. Irrara Creek  | 60    | R. Yarrien Creek   | 100   |
| R. Culgoa River (joins Darling 1070 miles from mouth), N.S.W.    |       | R. Niemur River  | 90    |
| portion  | 130   | L. Merran Creek  | 60    |
| L. Birrie River  | 110   | R. Moulamein or Billabong Creek                                    | 400   |
| L. Bogan River (joins Darling 1075 miles from mouth)             | 370   | R. Yanko Creek   | 190   |
| R. Duck River  | 70    | R. Tuppal Creek  | 60    |
| R. Gunningbar Creek  | 70    | R. Swampy Plain River  | 40    |
| L. Bulbodeney Creek  | 60    | Snowy River (upper portion called Eucambene River), N.S.W. portion | 170   |
| R. Bokhara River   | 160   | R. Mumbla Creek  | 30    |
| L. Marra Creek   | 180   | L. Delegete Creek  | 60    |
| L. Crooked Creek   | 100   | L. McLaughlin River  | 60    |
| L. Macquarie River (joins Darling 1260 miles from mouth)         | 590   | L. Bobundara Creek   | 35    |
| R. Castlecragh River   | 340   | R. Wullwye Creek   | 30    |
| L. Nedgera Creek   | 80    | Wallagaraugh River   | 30    |
| L. Mowlina Creek   | 50    | Towamba River  | 50    |
| R. Martha Gay Creek  | 200   | Bega or Bemboka River  | 55    |
| R. Merri Merri Creek   | 90    | L. Brogo River   | 35    |
| R. The Big Warrambool River                                      | 100   | Tuross River   | 70    |
| L. Namoi River (joins Darling 1360 miles from mouth)             | 430   | Clyde River  | 80    |
| R. Pian Creek  | 120   | Shoalhaven River   | 220   |
| L. Baradine Creek  | 110   | R. Mongarlowe River  | 40    |
| L. Dubbo Creek   | 50    | Hawkesbury River   | 335   |
| L. Peel River  | 50    | L. Colo River  | 60    |
| L. Thalaba Creek   | 90    | R. Capertee River  | 60    |
| L. Meel or Gywdir River (joins Darling 1460 miles from mouth)    | 350   | R. Nepean River  | 45    |
| L. Moonin Creek  | 110   | R. Nattai River  | 35    |
| L. Boomi River   | 110   | R. Cox's River   | 80    |
| L. Gil Gil Creek   | 130   | Hunter River   | 340   |
| L. Whalan Creek  | 110   | L. Williams River  | 100   |
| L. Croppa Creek  | 70    | L. Paterson River  | 100   |
| L. Macintyre River (to junction of Dumaresq River)               | 180   | R. Goulburn River  | 140   |
| R. Severn River  | 120   | L. Wybung Creek  | 50    |
| R. Murrumbidgee River (joins Murray 430 miles from S.A. border)  | 1,050 | L. Kria Creek  | 50    |
| R. Lachlan River (joins Murrumbidgee 130 miles from mouth)       | 850   | R. Dart Brook  | 40    |
| R. Marrowie Creek  | 100   | R. Isis River  | 70    |
| R. Willandra Billabong Creek                                     | 250   | Karuah River   | 50    |
| L. Euglo Creek   | 120   | Myall River  | 30    |
| R. Goobang Creek   | 140   | Wollombi River   | 45    |
| R. Mandagery Creek   | 80    | Manning River  | 150   |
| L. Boorowa River   | 80    | L. Dingo Creek   | 40    |
| R. Abercrombie River   | 110   | R. Barrington River  | 75    |
| R. Crookwell River   | 35    | L. Nowendoc River  | 65    |
| L. Old Man Creek   | 40    | L. Barnard River   | 90    |
| L. Bullenbung Creek  | 40    | Hastings River   | 110   |
| R. Houllaghan's Creek  | 50    | L. Maria River   | 30    |
| L. Yeven Yaven Creek   | 40    | R. Ellerborough River  | 30    |
| R. Billabong Creek   | 35    | Macleay River  | 160   |
| L. Adelong Creek   | 35    | R. Apsley River  | 90    |
| L. Tumut River   | 90    | L. Chandler River  | 55    |

**5B. Victoria.**—Starting at the north-eastern extremity and going westerly, southerly, and easterly.

|  | MILES | —Mitta Mitta River (continued) | MILES |
|--|-------|--------------------------------|-------|
| Murray River (total length between New South Wales and Victoria) | 1,200 | R. Gibbo Creek                 | 20    |
| L. Corryong Creek  | 45    | L. Wonbat Creek                | 20    |
| L. Cudgewa Creek   | 50    | L. Bundarraah Creek            | 30    |
| L. Cooyatong Creek   | 20    | L. Kiewa River                 | 70    |
| L. Mitta Mitta River   | 125   | R. Big River                   | 40    |
| R. Tallangatta Creek   | 30    | L. Indigo Creek                | 25    |
| L. Little Snowy Creek  | 20    | L. Domia Mungi River           | 40    |
| L. Snowy Creek   | 25    | L. Ovens River                 | 110   |

## APPROXIMATE LENGTHS OF PRINCIPAL RIVERS.

|                    |                         | MILES                           |                       |     | MILES |
|--------------------|-------------------------|---------------------------------|-----------------------|-----|-------|
| —                  | Ovens River (continued) |                                 |                       |     |       |
| L.                 | King River              | 75                              | Shaw River            | 25  |       |
| R.                 | Hodgson's Creek         | 20                              | Moyn River            | 40  |       |
| L.                 | Whorouly Creek          | 25                              | Merri River           | 30  |       |
| L.                 | Buffalo River           | 50                              | L. Drysdale Creek     | 20  |       |
| R.                 | Myrtle Creek            | 20                              | Hopkins River         | 135 |       |
| L.                 | Buckland River          | 30                              | L. Mount Emu Creek    | 170 |       |
| L.                 | Tullah Creek            | 20                              | L. Salt Creek         | 25  |       |
| L.                 | Broken Creek            | 125                             | R. Gray's Creek       | 20  |       |
| R.                 | Black Creek             | 50                              | R. Bushy Creek        | 20  |       |
| L.                 | Tsheeca Creek           | 20                              | Fiery Creek           | 75  |       |
| L.                 | Goulburn River          | 280                             | Curdie's Creek        | 55  |       |
| R.                 | Broken River            | 105                             | Gellibrand River      | 65  |       |
| R.                 | Stony Creek             | 40                              | Thomson's Creek       | 20  |       |
| L.                 | Seven Creeks            | 50                              | Barwon River          | 75  |       |
| R.                 | Castle Creek            | 40                              | L. Moorabool River    | 35  |       |
| R.                 | Muddy Creek             | 20                              | L. Yarraee River      | 50  |       |
| R.                 | Hughes Creek            | 40                              | L. Warrambune Creek   | 60  |       |
| L.                 | Sugarloaf Creek         | 20                              | Little River          | 30  |       |
| L.                 | Dabyminga Creek         | 25                              | Werribee River        | 60  |       |
| L.                 | Yea River               | 35                              | L. Lerderderg River   | 25  |       |
| L.                 | Acheron River           | 30                              | Yarra Yarra River     | 115 |       |
| R.                 | Delatite River          | 55                              | R. Saltwater River    | 65  |       |
| L.                 | Big River               | 20                              | R. Plenty River       | 36  |       |
| R.                 | Howqua River            | 40                              | L. Dandenong Creek    | 30  |       |
| R.                 | Jamieson River          | 25                              | R. Watts River        | 20  |       |
| L.                 | Campaspe River          | 100                             | Bass River            | 35  |       |
| R.                 | Mt. Pleasant Creek      | 20                              | Powlett River         | 30  |       |
| L.                 | Coilaban River          | 45                              | Bruthen Creek         | 20  |       |
| L.                 | Loddon River            | 155                             | Merriman's Creek      | 55  |       |
| R.                 | Muirabit River          | 25                              | La Trobe River        | 70  |       |
| R.                 | Pyramid Creek           | 95                              | L. Thompson River     | 60  |       |
| L.                 | Bulbul Creek            | 25                              | L. Macalister River   | 110 |       |
| R.                 | Bradford Creek          | 20                              | Avon River            | 50  |       |
| L.                 | Bet Bet Creek           | 40                              | Perry River           | 35  |       |
| Avoca River        | 140                     | Tom's River                     | 20                    |     |       |
| L.                 | Cherry Tree Creek       | 20                              | Mitchell River        | 60  |       |
| Tyrrell Creek      | 85                      | L. Wentworth River              | 55                    |     |       |
| Ayon River         | 75                      | L. Dargo River                  | 75                    |     |       |
| L.                 | Richardson River        | 30                              | L. Wonnangatta River  | 85  |       |
| Yarriambiack Creek | 80                      | L. Wongungarra River            | 35                    |     |       |
| Wimmera River      | 155                     | Nicholson River                 | 45                    |     |       |
| L.                 | Norton Creek            | 30                              | Tambo River           | 90  |       |
| L.                 | Mackenzie River         | 45                              | L. Little River       | 20  |       |
| L.                 | Concongella Creek       | 25                              | Boggy Creek           | 30  |       |
| Glenelg River      | 280                     | Snowy River (Victorian portion) | 95                    |     |       |
| L.                 | Crawford River          | 40                              | R. Murrindindi River  | 30  |       |
| L.                 | Stokes River            | 30                              | L. Broadbent Creek    | 20  |       |
| L.                 | Wannon River            | 150                             | L. Mountain Creek     | 20  |       |
| L.                 | Chetwynd River          | 25                              | L. Jingallala River   | 35  |       |
| L.                 | Mather's Creek          | 20                              | R. Toonginbooka River | 30  |       |
| Surry River        | 25                      | Bemm River                      | 20                    |     |       |
| Fitzroy River      | 25                      | Cann River                      | 25                    |     |       |
| L.                 | Darlot's Creek          | 25                              | Thurra River          | 20  |       |
| Emumeralla River   | 70                      | Genoa River                     | 50                    |     |       |

5C. **Queensland.**—Starting at the north-western extremity and going easterly, northerly, southerly, and westerly.

|                      |                | Settlement Creek | Albert River (continued)    |
|----------------------|----------------|------------------|-----------------------------|
| Lagoon Creek         | 100            | 100              | R. Landsborough Inlet       |
| Cliffdale Creek      | 100            | 100              | Leichhardt River            |
| Nicholson River      | 130            | 130              | R. Gorge Creek              |
| R. Gregory River     | 160            | 160              | R. Charley Creek            |
| R. Dariel Creek      | 16             | 16               | L. Paroo Creek              |
| R. Goonooma Creek    | 32             | 32               | L. Surprise Creek           |
| L. Ixion Creek       | 20             | 20               | R. Prospector Creek         |
| L. Verdon Creek      | 20             | 20               | R. Cabbage Tree Creek       |
| R. O'Shanassy River  | 80             | 80               | L. Coppermine Creek         |
| R. Morstone Creek    | 14             | 14               | L. St. Paul Creek           |
| L. Youl Creek        | 8              | 8                | L. Eureka Creek             |
| R. Harris Creek      | 30             | 30               | L. Mistake Creek            |
| R. Thornton River    | 40             | 40               | L. Gunpowder Creek          |
| L.                   | Thornton Creek | 34               | L. Myally Creek             |
| L.                   | Magenta Creek  | 34               | L. Sandy Creek              |
| R. Seymour River     | 45             | 45               | R. Mittigoodooy Creek       |
| R. Victor Creek      | 10             | 10               | L. Fiery Creek              |
| R. Police Creek      | 32             | 32               | R. Alexandra River          |
| L. Macadam Creek     | 20             | 20               | R. Lagoon Creek             |
| R. Tozer Creek       | 8              | 8                | Disaster Inlet              |
| L. Lawn Hill Creek   | 112            | 112              | Morning Inlet               |
| L. Elizabeth Creek   | 72             | 72               | R. M. Creek                 |
| Albert River         | 40             | 40               | L. Punchbowl Creek          |
| L. Beames Creek      | 48             | 48               | Flinders River              |
| R. Barclay River     | 35             | 35               | L. White Mountain Creek     |
| R. Twelve Mile Creek | 36             | 36               | R. Galah or Porcupine Creek |
| R. Saltwater Arm     | 6              | 6                | R. Canterbury Creek         |
| R. Millar Creek      | 52             | 52               | R. Betts Gorge Creek        |

## APPROXIMATE LENGTHS OF PRINCIPAL RIVERS.

71

|                            | MILES |                                    | MILES |
|----------------------------|-------|------------------------------------|-------|
| Flinders River (continued) |       | Accident Inlet (continued)         |       |
| R. Stewart's Creek         | 30    | R. Crooked Creek                   | 22    |
| L. Walker Creek            | 64    | L. Fitzmaurice Creek               | 30    |
| L. Eastern Creek           | 35    | Smithburne River                   | 40    |
| R. Dutton River            | 100   | Van Diemen River                   | 25    |
| R. Chasm Creek             | 22    | Gilbert River                      | 312   |
| R. Pine Tree Creek         | 28    | R. Styx River                      | 10    |
| L. Station Creek           | 12    | R. Granite Creek                   | 18    |
| R. Camulla Creek           | 14    | L. Mica Schist Creek               | 15    |
| R. Deepwater Creek         | 10    | L. Conglomerate Creek              | 12    |
| R. Spinifex Creek          | 14    | R. Percy River                     | 24    |
| R. Yankoo Creek            | 28    | R. Robertson River                 | 76    |
| R. Tunis Creek             | 18    | L. Left branch Robertson River     | 10    |
| R. Alexander Creek         | 36    | L. Oaky Creek                      | 17    |
| R. Hazlewood Creek         | 34    | L. Little Robertson River          | 20    |
| R. Stawell River           | 150   | L. Agate Creek                     | 24    |
| R. McDougall Creek         | 26    | R. Townley Creek                   | 12    |
| R. Rokehurst Creek         | 24    | R. Western Creek                   | 10    |
| L. Poison Creek            | 16    | R. Crooked Creek                   | 5     |
| R. Loth Creek              | 25    | L. Langdon River                   | 35    |
| R. Woolgar River           | 60    | L. B Creek                         | 6     |
| L. Patience Creek          | 24    | R. Black Gin Creek                 | 12    |
| L. Hampstead Creek         | 26    | L. Little River                    | 32    |
| L. Cecil Creek             | 16    | R. Einasleigh River                | 260   |
| L. Alick Creek             | 124   | R. Bundock Creek                   | 18    |
| L. Rupert Creek            | 57    | R. Lee Creek                       | 40    |
| L. Concurry River          | 280   | R. Lagoon Creek                    | 24    |
| L. Maggie Creek            | 16    | L. Copperfield River               | 100   |
| R. Farley Creek            | 12    | R. Crooked Creek                   | 5     |
| R. Gorge Creek             | 8     | L. Dumbano Creek                   | 10    |
| L. Sandy Creek             | 16    | R. Middle Creek                    | 12    |
| L. Spring Creek            | 30    | L. Christinas Hill Creek           | 12    |
| R. Florence Creek          | 26    | R. East Creek                      | 15    |
| L. Cattle Creek            | 18    | L. Oak River                       | 10    |
| L. Malbon River            | 45    | L. McMillan Creek                  | 9     |
| L. Limestone Creek         | 10    | R. Junction Creek                  | 45    |
| L. Duck Creek              | 22    | R. Elizabeth Creek                 | 60    |
| R. Martin Creek            | 20    | R. Parallel Creek                  | 33    |
| L. Slaty Creek             | 18    | L. Cattle Creek                    | 24    |
| R. Snake Creek             | 20    | L. Silent Creek                    | 23    |
| L. Chinaman Creek          | 16    | L. Etheridge River                 | 96    |
| L. Table Creek             | 20    | L. Delaney River                   | 25    |
| R. Gipsy Creek             | 24    | L. Sandy Creek                     | 25    |
| R. Williams River          | 100   | R. Middle Creek                    | 60    |
| L. Roberts Creek           | 6     | Vanrook Creek                      | 95    |
| L. Elder Creek             | 22    | Macaroni Creek                     | 53    |
| L. Canal Creek             | 21    | Staaten River                      | 170   |
| L. Eliza Creek             | 14    | R. Cockburn Creek                  | 50    |
| L. Mount Margaret Creek    | 20    | L. Pandanus Creek                  | 70    |
| R. Eastern Creek           | 120   | L. Emu Creek                       | 62    |
| L. Sadown Creek            | 64    | R. Maramie Creek                   | 48    |
| L. Gilliat River           | 110   | R. Bloodwood Creek                 | 36    |
| R. Wild Duck Creek         | 34    | L. Pelecan Creek                   | 60    |
| L. McKinlay River          | 90    | Nassau River                       | 85    |
| L. Dingding Creek          | 10    | R. Dunbar Creek                    | 12    |
| R. Rangeview Creek         | 18    | R. Scruton River                   | 45    |
| L. Boorana Creek           | 32    | L. Rocky Creek                     | 19    |
| R. Martin Creek            | 20    | Magnificent Creek                  | 42    |
| L. Nora Creek              | 46    | Mitchell River                     | 350   |
| L. Holy Joe Creek          | 44    | R. Big Mitchell Creek              | 5     |
| L. Fullarton River         | 80    | R. Little Mitchell Creek           | 6     |
| L. Dugald River            | 120   | L. Granite Creek                   | 6     |
| R. Middle Creek            | 62    | L. Dora Creek                      | 4     |
| R. Corella River           | 130   | L. Black Gin Creek                 | 6     |
| L. Cameron River           | 25    | R. Riffe Creek                     | 30    |
| R. Malakoff Creek          | 20    | R. Station Creek                   | 6     |
| R. Tommy Creek             | 38    | R. Mary Creek                      | 7     |
| L. Topsy Creek             | 12    | R. McLeod River                    | 18    |
| L. Dismal Creek            | 80    | R. Spencer Creek                   | 8     |
| R. Branch Creek            | 36    | R. Campbell Creek                  | 8     |
| R. Saxby River             | 220   | R. Desailly Creek                  | 4     |
| L. Express Creek           | 56    | L. Lizzie Creek                    | 8     |
| R. Mill Mill Creek         | 42    | L. Wolstenholme Creek              | 7     |
| L. Cockatoo Creek          | 25    | L. Hodgkinson River                | 54    |
| L. Wondoolaa Creek         | 26    | R. Columbia Creek                  | 3     |
| L. Armstrong Creek         | 32    | R. Explorer Creek                  | 2     |
| Bynoe River                | 40    | L. Spring Creek                    | 2     |
| Norman River               | 260   | R. Caledonia Creek                 | 9     |
| L. Spear Creek             | 86    | R. Deep Creek                      | 2     |
| R. Clara River             | 145   | L. Little River                    | 8     |
| R. Yappar River            | 135   | L. Mt. Mulligan Creek              | 5     |
| L. Brown Creek             | 58    | R. Eastern Hodgkinson              | 15    |
| R. Clarina Creek           | 57    | L. Little Watson Creek             | 14    |
| R. Macrossan River         | 25    | R. St. George River                | 60    |
| R. Carron River            | 100   | R. Right-hand branch St. George R. | 18    |
| R. Walker Creek            | 87    | R. Limestone Creek                 | 12    |
| Brannigan Creek            | 20    | L. Dry Creek                       | 20    |
| Accident Inlet             | 10    | R. Little Mitchell River           | 20    |

## APPROXIMATE LENGTHS OF PRINCIPAL RIVERS.

| Mitchell River (continued)       | MILES | Bizant River                   | MILES |
|----------------------------------|-------|--------------------------------|-------|
| R. Sandy Creek                   | 16    | Normanby River                 | 16    |
| R. Rocky Creek                   | 8     | L. Lakes Creek                 | 162   |
| L. Walsh River                   | 180   | R. East Normanby River         | 18    |
| L. Emu Creek                     | 40    | L. Laura River                 | 70    |
| L. Brown Creek                   | 54    | L. Mosman River                | 30    |
| L. Lynd River                    | 170   | L. Little Laura River          | 36    |
| L. Mero Creek                    | 15    | Normanby River (continued)     | 36    |
| L. Fossil Brook Creek            | 25    | L. Kennedy River               | 70    |
| R. Pinnacle Creek                | 26    | R. Jack River                  | 16    |
| R. Tate River                    | 80    | Marrett River                  | 12    |
| R. California Creek              | 20    | Jeannie River                  | 36    |
| L. Rocky Tate River              | 30    | Starcke River                  | 20    |
| R. Palmer River                  | 190   | McIvor River                   | 32    |
| R. Little Palmer River           | 13    | L. Morgan River                | 12    |
| L. Right-hand branch Palmer R.   | 15    | Endeavour River                | 30    |
| R. Left-hand branch Palmer River | 32    | L. North branch                | 11    |
| L. Sandy Creek                   | 34    | L. Right-hand branch           | 9     |
| R. King Creek                    | 24    | Annan River                    | 30    |
| R. Alice River                   | 70    | R. Trevethan Creek             | 10    |
| Coleman River                    | 140   | Esk River                      | 7     |
| Edward River                     | 60    | Bloomfield River               | 30    |
| Holroyd River                    | 16    | Daintree River                 | 26    |
| Lukin River                      | 140   | R. Stewart Creek               | 6     |
| Kendal River                     | 70    | Saltwater Creek                | 12    |
| Archer River                     | 170   | Mossman River                  | 12    |
| L. Croll Creek                   | 20    | R. South Mossman River         | 8     |
| L. Bourne Creek                  | 18    | Mowbray River                  | 10    |
| R. Irvine Creek                  | 16    | Barron River                   | 70    |
| R. Geikie Creek                  | 32    | L. Mazzlin Creek               | 11    |
| R. Piccaninny Creek              | 36    | R. Severin Creek               | 10    |
| L. Coen River                    | 65    | L. Rocky Creek                 | 14    |
| L. Running Creek                 | 20    | R. Tinaroo Creek               | 13    |
| Watson River                     | 65    | L. Granite Creek               | 20    |
| R. Lagoon Creek                  | 16    | R. Clohesy River               | 14    |
| R. Say Creek                     | 18    | L. Flagg's Creek               | 15    |
| L. Gumbol Creek                  | 25    | Trinity Inlet                  | 5     |
| L. Kokialah Creek                | 15    | Russell River                  | 38    |
| Embley River                     | 28    | L. Babinda Creek               | 11    |
| R. Kurraoco Creek                | 18    | L. Mulgrave River              | 44    |
| R. Brownstone Creek              | 6     | L. Little Mulgrave River       | 8     |
| R. Spring Creek                  | 7     | R. Tringilburra Creek          | 16    |
| L. Hey River                     | 12    | Johnstone River (North branch) | 60    |
| Mission River                    | 24    | Johnstone River (South branch) | 30    |
| R. Myall Creek                   | 30    | Moresby River                  | 10    |
| Pennefather Creek                | 10    | Liverpool Creek                | 20    |
| Batavia River                    | 160   | Maria Creek                    | 8     |
| R. Sefton Creek                  | 20    | Hull River                     | 10    |
| L. Clayhole Creek                | 16    | Tully River                    | 65    |
| L. Capsize Creek                 | 28    | R. Davidson River              | 8     |
| R. Schramm Creek                 | 10    | L. Banyan Creek                | 8     |
| L. Lydia Creek                   | 24    | Murray River                   | 30    |
| L. Cox Creek                     | 46    | Dallachy Creek                 | 9     |
| R. Nimrod Creek                  | 27    | Wreck Creek                    | 10    |
| Ducie River                      | 30    | Kennedy Creek                  | 14    |
| R. Palm Creek                    | 24    | R. Meungka Creek               | 6     |
| R. North Alice Creek             | 44    | R. Attie Creek                 | 5     |
| Dulhunty River                   | 52    | Five Mile Creek                | 5     |
| Skardon River                    | 36    | Damper Creek                   | 4     |
| R. McDonnell Creek               | 6     | Herbert River                  | 150   |
| Jardine River                    | 80    | R. Wild River                  | 30    |
| L. McHenry River                 | 26    | L. Millstream Creek            | 28    |
| Cowal Creek                      | 12    | L. Blunder Creek               | 42    |
| Kennedy River                    | 20    | R. Rudd Creek                  | 18    |
| Escape River                     | 10    | L. Blencoe Creek               | 6     |
| Henderson River                  | 10    | R. Garrawalt Creek             | 16    |
| Macmillan River                  | 44    | R. Stone River                 | 28    |
| Pascoe River                     | 55    | Palm Swamp                     | 21    |
| Lockhart River                   | 28    | Trebonne Creek                 | 26    |
| L. Greyhound Creek               | 10    | Saltwater Creek                | 10    |
| Nesbit Creek                     | 12    | Rollingstone Creek             | 7     |
| R. Leo Creek                     | 9     | Leichhardt Creek               | 9     |
| Chester River                    | 8     | Alice River                    | 20    |
| Rocky Creek                      | 16    | Black River                    | 17    |
| Massy Creek                      | 12    | Bohle River                    | 15    |
| Dinner River                     | 20    | Ross River                     | 30    |
| L. Breakfast Creek               | 20    | Alligator Creek                | 12    |
| Stewart River                    | 45    | Crocodile Creek                | 7     |
| L. Station Creek                 | 7     | Houghton River                 | 55    |
| L. Little Stewart Creek          | 6     | L. Reid River                  | 20    |
| Balclutha River                  | 28    | L. Serpentine Creek            | 18    |
| Annie River                      | 40    | Barratta Creek                 | 48    |
| North Kennedy River              | 76    | Plantation Creek               | 19    |
| R. Therrimbuli Creek             | 10    | Burdekin River                 | 440   |
| L. Station Creek                 | 23    | R. Anthill Creek               | 24    |
| L. Sandy Creek                   | 14    | R. Reedy Creek                 | 10    |
| L. Morehead River                | 65    | R. Dry Creek                   | 26    |
| R. Hann River                    | 52    | R. Gray Creek                  | 40    |
| R. Wangow Creek                  | 20    |                                |       |

| Burdekin River (continued) | MILES | Dawson River (continued) | MILES |
|----------------------------|-------|--------------------------|-------|
| R. Clarke River            | 84    | R. Lonesome Creek        | 35    |
| L. Gregory River           | 20    | R. Granville Creek       | 32    |
| R. Yates Creek             | 36    | R. Herbert Creek         | 24    |
| L. Broken River            | 35    | I. Mackenzie River       | 170   |
| R. Emu Creek               | 24    | R. Comet River           | 80    |
| R. Maryvale Creek          | 38    | R. Brown River           | 50    |
| L. Douglas Creek           | 25    | R. Arcadia Creek         | 25    |
| L. Running River           | 16    | R. Clematis Creek        | 45    |
| L. Star River              | 18    | L. Christmas Creek       | 23    |
| R. Big Star River          | 28    | L. Consuelo Creek        | 42    |
| L. Little Star River       | 24    | L. Meteor Creek          | 60    |
| R. Basalt River            | 30    | R. Planet Creek          | 85    |
| R. Lolworth Creek          | 34    | R. Humboldt Creek        | 38    |
| L. Keelbottom Creek        | 42    | L. Minerva Creek         | 42    |
| R. Dillon Creek            | 40    | R. Sirius Creek          | 34    |
| L. Fanning River           | 35    | L. Nogoa River           | 180   |
| R. Broughton River         | 24    | L. Claude River          | 48    |
| L. Pandanus Creek          | 25    | R. Buckland Creek        | 46    |
| L. Kirk River              | 20    | L. Balmy Creek           | 34    |
| R. Sutton River            | 190   | R. Vandyke Creek         | 92    |
| R. Rockingham Creek        | 20    | R. Separation Creek      | 16    |
| L. Sutton Creek            | 44    | L. Anakie Creek          | 10    |
| L. Eaglefield Creek        | 50    | R. Stony Creek           | 20    |
| R. Verbena Creek           | 20    | L. Theresa Creek         | 130   |
| L. Logan Creek             | 45    | L. Crinum Creek          | 16    |
| L. Belyando River          | 205   | R. Burngrove Creek       | 30    |
| L. Native Companion Creek  | 125   | R. Blackwater Creek      | 50    |
| L. Alpha Creek             | 80    | L. Cooroora Creek        | 34    |
| L. Dunda Creek             | 62    | R. Roper's Creek         | 56    |
| L. Carmichael Creek        | 48    | R. Parker Creek          | 20    |
| R. Mistake Creek           | 122   | L. Junee Creek           | 30    |
| L. Bully Creek             | 48    | L. Isaacs River          | 152   |
| L. Cape River              | 160   | R. Grosvenor Creek       | 31    |
| R. Amelia Creek            | 42    | L. North Creek           | 33    |
| L. Broadley Creek          | 50    | R. Campbell Creek        | 45    |
| L. Campaspie River         | 26    | L. Develin Creek         | 48    |
| R. Blowhard Creek          | 33    | R. Rolf Creek            | 44    |
| L. Rollston River          | 38    | L. Connor's River        | 56    |
| R. Bowen River             | 96    | R. Murray Creek          | 22    |
| R. Broken River            | 48    | L. Collaroy Creek        | 20    |
| R. Bogie River             | 60    | R. Funnel Creek          | 68    |
| R. Kirkrie Creek           | 10    | L. Melaleuca Creek       | 36    |
| Wangaratta Creek           | 13    | R. Gogango Creek         | 36    |
| Rocky Pond Creek           | 14    | R. Emu Creek             | 12    |
| Molonglo Creek             | 20    | R. Moah Creek            | 17    |
| Elliot River               | 30    | R. Rosewood Creek        | 15    |
| Euri Creek                 | 30    | L. Glenroy Creek         | 11    |
| Don River                  | 52    | L. Marlborough Creek     | 24    |
| Duck Creek                 | 14    | L. Princhester Creek     | 18    |
| Edenlassie Creek           | 17    | L. Planted Creek         | 15    |
| Gregory River              | 16    | L. Canoona Creek         | 8     |
| Proserpine River           | 30    | L. Alligator Creek       | 44    |
| O'Connell River            | 28    | L. Moore's Creek         | 6     |
| L. Andromache River        | 24    | R. Gaviai Creek          | 34    |
| Blackroch Creek            | 17    | L. Nankin Creek          | 13    |
| Murray Creek               | 28    | Raglan Creek             | 54    |
| Victor Creek               | 7     | Calliope River           | 52    |
| Seaforth Creek             | 6     | L. Alma Creek            | 12    |
| Pioneer River              | 40    | R. Running Creek         | 10    |
| L. Cattle Creek            | 22    | L. Harper Creek          | 12    |
| Baker's Creek              | 13    | R. Oaky Creek            | 18    |
| Sandy Creek                | 28    | L. Larcombe Creek        | 21    |
| Alligator Creek            | 17    | R. Double Creek          | 16    |
| Plane Creek                | 15    | R. Clyde Creek           | 14    |
| Marion Creek               | 14    | Auckland Inlet           | 3     |
| Basin Creek                | 15    | South Trees Inlet        | 12    |
| West Hill Creek            | 15    | Boyne River              | 60    |
| Carmila Creek              | 16    | L. Glassford Creek       | 20    |
| Cattle Creek               | 12    | L. Ridler Creek          | 18    |
| Clairview Creek            | 17    | L. Degalgil Creek        | 26    |
| St. Lawrence Creek         | 22    | R. Norton Creek          | 9     |
| Waverley Creek             | 24    | R. Eastern Boyne River   | 16    |
| Styx River                 | 40    | L. Futter Creek          | 24    |
| L. Montrose Creek          | 14    | R. Iveragh Creek         | 14    |
| L. Granite Creek           | 22    | Round Hill Creek         | 6     |
| R. Tooloombah Creek        | 28    | Baffle Creek             | 65    |
| R. Stoodleigh Creek        | 14    | R. Three Mile Creek      | 16    |
| Herbert Creek              | 120   | R. Banksia Creek         | 16    |
| Fitzroy River              | 174   | R. Granite Creek         | 40    |
| R. Dawson River            | 312   | R. Murray Creek          | 15    |
| R. Hutton Creek            | 52    | L. Euleilah Creek        | 14    |
| R. Eurombah Creek          | 72    | R. Bottle Creek          | 18    |
| L. Kinnoul Creek           | 16    | Littabella Creek         | 20    |
| R. Juandah Creek           | 68    | Kolan River              | 92    |
| L. Palm Tree Creek         | 50    | R. Gin Creek             | 52    |
| R. Cockatoo Creek          | 47    | L. Yandaran Creek        | 13    |
| R. Cracow Creek            | 14    | Burnett River            | 250   |
| R. Castle Creek            | 40    | R. Splinter Creek        | 50    |

## APPROXIMATE LENGTHS OF PRINCIPAL RIVERS.

|                                  | MILES |   | MILES                      |
|----------------------------------|-------|---|----------------------------|
| Burnett River (continued)        |       |   | Brisbane River (continued) |
| R. Three Moon Creek              | 78    | R. Andurambra or Ivory's Creek                                | 30                         |
| R. Rawbelle River                | 65    | R. Cressbrook Creek   | 36                         |
| R. Auburn River                  | 60    | R. Perseverance Creek   | 15                         |
| R. Boyne River                   | 120   | L. Crow's Nest Creek  | 8                          |
| R. Stuart River                  | 68    | L. Stanley River  | 54                         |
| L. Binjour Creek                 | 14    | L. Neurum Creek   | 10                         |
| R. Barumbah Creek                | 130   | R. Sandy Creek  | 18                         |
| L. Sunday Creek                  | 34    | R. Kiley Creek  | 15                         |
| R. Desilbo Creek                 | 20    | R. Sheep Station Creek  | 16                         |
| L. Perry River                   | 28    | L. Oaky Creek   | 9                          |
| L. St. Agnes Creek               | 18    | L. Reedy Creek  | 14                         |
| Elliott River                    | 28    | R. Esk Creek  | 9                          |
| Burrum River                     | 24    | L. Northbrook Creek   | 12                         |
| L. Cherwell River                | 16    | R. Lockyer Creek  | 56                         |
| L. Isis River                    | 20    | R. Murphy's Creek   | 10                         |
| L. Agnes Vale Creek              | 16    | L. Alice Creek  | 15                         |
| L. Oaky Creek                    | 15    | R. Flagstone Creek  | 18                         |
| L. Gregory River                 | 34    | R. Ma Ma Creek  | 24                         |
| R. Sandy Creek                   | 32    | R. Tenthill Creek   | 24                         |
| Strathdees or Bulbi Creek        | 7     | L. Blackfellow's Creek  | 20                         |
| Mary River                       | 165   | R. Laidley Creek  | 34                         |
| L. Little Yabba Creek            | 17    | L. Buaraba Creek  | 30                         |
| R. Obi Obi Creek                 | 30    | R. Bremer River   | 50                         |
| R. Belli Creek                   | 12    | L. Western Creek  | 14                         |
| L. Yabba Creek                   | 52    | R. Franklin Vale Creek  | 12                         |
| R. Skyring Creek                 | 10    | R. Warrill Creek  | 44                         |
| L. Kandanga Creek                | 33    | R. Reynolds Creek   | 20                         |
| R. Traveston Creek               | 3     | R. Purple Creek   | 22                         |
| L. Amamoor Creek                 | 28    | R. Deebing Creek  | 8                          |
| R. Six Mile Creek                | 16    | R. Bundamba Creek   | 15                         |
| R. Deep Creek                    | 10    | R. Six Mile Creek   | 6                          |
| L. Pie Creek                     | 12    | R. Woogaroo Creek   | 12                         |
| L. Glastonbury Creek             | 18    | R. Opossum Creek  | 6                          |
| L. Widgee Creek                  | 27    | L. Moggill Creek  | 12                         |
| R. Curra Creek                   | 15    | R. Oxley Creek  | 28                         |
| L. Wide Bay Creek                | 50    | R. Norman Creek   | 6                          |
| L. Munna Creek                   | 53    | L. Breakfast Creek  | 10                         |
| L. Ooramera Creek                | 15    | R. Bulimba Creek  | 16                         |
| R. Gutchy Creek                  | 20    | Tingalpa Creek  | 12                         |
| L. Myrtle Creek                  | 19    | Hilliard's Creek  | 8                          |
| L. Graham Creek                  | 10    | Eiprapah Creek  | 8                          |
| R. Tinana Creek                  | 68    | Logan River   | 96                         |
| L. Saltwater Creek               | 10    | L. Burnett's Creek  | 24                         |
| L. Susan River                   | 14    | R. Palen Creek  | 12                         |
| Tin Can Inlet                    | 15    | L. Tamrookum Creek  | 8                          |
| Noosa River                      | 30    | R. Christmas Creek  | 24                         |
| R. Kin Kin Creek                 | 20    | L. Knappa Creek   | 15                         |
| R. Cooloothin Creek              | 4     | R. Spring Creek   | 10                         |
| R. Ringtail Creek                | 7     | L. Allan's Creek  | 20                         |
| Maroochy River                   | 17    | L. Teviot Brook   | 55                         |
| L. North Maroochy River          | 14    | R. Scrubby Creek  | 8                          |
| L. Yandina Creek                 | 10    | R. Henderson's Creek  | 8                          |
| L. Coolum Creek                  | 5     | R. Albert River   | 54                         |
| R. Petrie Creek                  | 14    | R. Cainable Creek   | 15                         |
| R. Eudlo Creek                   | 9     | R. Coburg River   | 30                         |
| Mountain Creek                   | 8     | R. Cedar Creek  | 12                         |
| Mooloolah River                  | 20    | Pimpama River   | 14                         |
| Caboolture River                 | 26    | Coomera River   | 35                         |
| L. Warbara Creek                 | 12    | Nerang River  | 34                         |
| Burpengary Creek                 | 17    | Mudgeeraba Creek  | 20                         |
| North Pine River                 | 30    | Tallebbuggera Creek   | 15                         |
| R. Leacy Creek                   | 9     | Currimbirra Creek   | 14                         |
| L. Terrors Creek                 | 7     | Severn River (to Tenterfield Creek)<br>" (to Macintyre River) | 48<br>20                   |
| R. Kobble Creek                  | 10    | R. Broadwater Creek   | 15                         |
| L. Sidelong Creek                | 8     | L. Quartpot Creek   | 14                         |
| R. South Pine River              | 20    | L. Bald Rock Creek  | 15                         |
| R. Samford Creek                 | 6     | R. Pike Creek   | 65                         |
| L. Cedar Creek                   | 10    | R. Alpin Creek  | 15                         |
| R. Chinaman Creek                | 4     | R. Brush Creek  | 28                         |
| Cabbage Tree Creek               | 10    | R. Macintyre Brook  | 86                         |
| Nundah Creek                     | 8     | L. Bracker Creek  | 30                         |
| Serpentine Creek                 | 7     | R. Cannings Creek   | 34                         |
| Brisbane River                   | 200   | L. Catfish Creek  | 22                         |
| R. West branch of Brisbane River | 18    | Barwon or Macintyre River (along boundary<br>of State)        | 120                        |
| R. Cooyar Creek                  | 64    | R. Callandoon branch  | 50                         |
| L. Yarraman Creek                | 22    | R. Weir River   | 200                        |
| R. Taromeo Creek                 | 15    | L. Western Creek  | 50                         |
| L. Paradise Creek                | 6     | L. Yarril Creek   | 50                         |
| L. Avoca Creek                   | 20    | L. Commoron Creek   | 76                         |
| L. Monsildale Creek              | 30    | R. Warril Creek   | 22                         |
| L. Kangaroo Creek                | 12    | Little Weir River   | 16                         |
| R. Emu Creek                     | 60    | Moonie River  | 215                        |
| R. Pierce's Creek                | 10    | L. Toombilla Creek  | 32                         |
| L. Bum Bum Creek                 | 10    | R. Parrie Moolan Creek  | 25                         |
| R. Salty Waterholes Creek        | 12    | R. Wongle Wongle Creek  | 28                         |
| R. Nukinenda Creek               | 10    | R. Farawell Creek   | 32                         |
| L. Spring Creek                  | 10    |   |                            |
| L. Nears Creek                   | 10    |   |                            |

## APPROXIMATE LENGTHS OF PRINCIPAL RIVERS.

75

| MILES   | MILES |
|---|-------|
| Moonie River (continued)                                  |       |
| R. Teelba Creek   | 48    |
| R. Thomby Creek   | 24    |
| Narran River  | 32    |
| Bokhara River   | 32    |
| Balonne Minor River and Murri Murri                       | 32    |
| Balonne River   | 175   |
| L. Condamine River  | 320   |
| R. Emu Creek  | 30    |
| R. Swan Creek   | 24    |
| L. Rosenthal Creek  | 28    |
| L. Sandy Creek  | 25    |
| R. Glengallan Creek                                       | 25    |
| R. Dalrymple Creek  | 35    |
| R. King's Creek   | 45    |
| L. Thane's Creek  | 35    |
| L. Canal Creek  | 35    |
| L. Spiers Creek   | 15    |
| R. North branch Condamine River                           | 50    |
| R. Oaky Creek   | 60    |
| R. Myall Creek  | 50    |
| R. Jimbour Creek  | 45    |
| L. Wilkie Creek   | 40    |
| L. Braemar Creek  | 18    |
| R. Cooranga Creek   | 40    |
| L. Kogan Creek  | 28    |
| R. Jingi Jingi Creek                                      | 50    |
| R. Charley Creek  | 46    |
| L. Wambo Creek  | 45    |
| L. Wiambilla Creek  | 22    |
| L. Undulla Creek  | 56    |
| L. Bagot Creek  | 12    |
| L. Cobblegum Creek  | 20    |
| L. Murilla Creek  | 32    |
| R. Dogwood Creek  | 120   |
| R. Bottle-tree Creek                                      | 18    |
| R. Wallan Creek   | 30    |
| L. Coolumboola Creek                                      | 20    |
| R. Drillham Creek   | 20    |
| R. Dulacca Creek  | 28    |
| R. Tchanning Creek  | 68    |
| R. Yuleba Creek   | 82    |
| R. Wallumbilla Creek                                      | 52    |
| L. Griman Creek   | 20    |
| R. Bungil Creek   | 92    |
| R. Yalebone Creek   | 52    |
| L. Weribone Creek   | 10    |
| R. Cogoon Creek   | 42    |
| L. Donga Creek  | 34    |
| R. Turtulla Creek   | 38    |
| R. Maranoa River  | 275   |
| R. Western branch   | 36    |
| R. Billin Creek   | 30    |
| L. Merrivale River  | 96    |
| L. Apple-tree Creek                                       | 30    |
| R. Mannandilla Creek                                      | 40    |
| L. Basalt Creek   | 18    |
| R. Womajille Creek  | 40    |
| L. Amby Creek   | 36    |
| Ballandoo River   | 40    |
| R. Briarie Creek  | 24    |
| Culgoa River (Queensland portion)                         | 70    |
| R. Wallam Creek   | 184   |
| L. Neabul Creek   | 36    |
| R. Mungallala Creek                                       | 245   |
| R. Nebine Creek   | 176   |
| L. Patterson Creek  | 80    |
| R. Widgeegoara Creek                                      | 190   |
| Noorama Creek   | 115   |
| Thurruugonia Creek  | 50    |
| Blackfellow Creek   | 32    |
| Tuen Creek  | 32    |
| Owangowan Creek   | 14    |
| Warrego River (Queensland portion)                        | 365   |
| R. Nive River   | 112   |
| R. Ward River   | 115   |
| R. Langlo River   | 112   |
| L. Angellala River  | 136   |
| R. Nemunmulla Creek                                       | 60    |
| Cuttuburra Creek  | 64    |
| Pazoo River   | 228   |
| L. Quilberry Creek  | 36    |
| R. Beechal Creek  | 70    |
| L. Mirraparoo Creek                                       | 36    |
| R. Yowah Creek  | 60    |
| Mirintu Creek   | 48    |
| Titheroo Creek  | 24    |
| Booka Booka Creek   | 32    |
| Bulloo River  | 370   |
| ulloo River (continued)                                   |       |
| L. Blackwater Creek                                       | 42    |
| R. Durella Creek  | 39    |
| R. Nickavilla Creek                                       | 36    |
| L. Winbin Creek   | 58    |
| R. Coorni Paroo Creek                                     | 52    |
| L. Goora Goora Creek                                      | 28    |
| R. Mobile Creek   | 60    |
| R. Moolianna Creek  | 44    |
| R. Gumbo Creek  | 52    |
| L. Macintyre Creek  | 30    |
| R. Neerereba Creek  | 10    |
| R. Pitteroor Creek  | 36    |
| Warry Warry Creek   | 50    |
| Cooper's Creek  | 270   |
| R. Thomson River  | 240   |
| L. Cornish Creek  | 44    |
| R. Tower Hill Creek                                       | 98    |
| R. Landsborough Creek                                     | 116   |
| R. Bangall Creek  | 64    |
| R. Bradley Creek  | 46    |
| L. Aramac Creek   | 82    |
| L. Black Gin Creek  | 48    |
| L. Wellshot Creek   | 24    |
| L. Ernestina Creek  | 32    |
| R. Darr River   | 100   |
| R. Maneroo Creek  | 64    |
| R. Catherine Creek  | 64    |
| L. Toor Creek   | 36    |
| R. Acheron Creek  | 38    |
| R. Vergemont Creek  | 116   |
| R. Warbreccan Creek                                       | 36    |
| R. Carella Creek  | 36    |
| L. Bostock Creek  | 40    |
| R. Wuringle Creek   | 48    |
| L. Barcoo River   | 310   |
| R. Birkhead Creek   | 40    |
| L. Macfarlane Creek                                       | 36    |
| L. Borree Creek   | 44    |
| L. Ravensbourne Creek                                     | 72    |
| R. Douglas Ponds Creek                                    | 56    |
| R. Alice River  | 144   |
| L. Jordan Creek   | 64    |
| R. Lagoon Creek   | 28    |
| L. Patrick Creek  | 40    |
| L. Thornleigh Creek                                       | 68    |
| R. Wild Horse Creek                                       | 52    |
| L. Fallundilly Creek                                      | 48    |
| L. Pemberley Creek  | 30    |
| L. Minster Creek  | 20    |
| L. Powell Creek   | 90    |
| L. Wombunderry Channel (or Eastern branch)                | 116   |
| L. Tooratchie Creek                                       | 24    |
| L. Wilson River   | 180   |
| Brown's Creek   | 36    |
| Diamantina River  | 468   |
| L. Western River  | 84    |
| R. Oondooroo Creek  | 28    |
| R. Mills Creek  | 72    |
| L. Mistake Creek  | 36    |
| L. Lydia Creek  | 20    |
| R. Wokingham Creek  | 90    |
| L. Cameron Creek  | 24    |
| R. Cadell Creek   | 72    |
| Kell Creek  | 36    |
| L. McBride Creek  | 40    |
| R. Mackunda Creek   | 68    |
| L. Mayne River  | 100   |
| L. Binburi Creek  | 32    |
| R. North Creek  | 44    |
| L. Eden Creek   | 32    |
| L. Edkins Creek   | 48    |
| L. Farrar's Creek   | 200   |
| Eyre Creek  | 260   |
| R. Georgina River (including the part in South Australia) | 368   |
| L. Buckley River  | 88    |
| L. Templeton River  | 100   |
| L. Yaringa Creek  | 72    |
| L. Moonah Creek   | 88    |
| L. St. Ronans Creek                                       | 50    |
| R. Pituri Creek   | 80    |
| L. Burke River  | 160   |
| L. Mort River   | 52    |
| R. Wills Creek  | 92    |
| L. Hamilton River   | 160   |
| R. Mulligan River   | 192   |

**5D. South Australia.**—Starting at the south-eastern extremity and going westerly and northerly.

|   | MILES. |                                       | MILES. |
|---|--------|---------------------------------------|--------|
| Murray River (South Australian portion) | 400    | Hindmarsh River                       | 15     |
| Onkaparinga River                       | 60     | Inman River                           | 17     |
| Stuart River                            | 17     | Cygnet River                          | 38     |
| Torrens River                           | 50     | Willochra River                       | 110    |
| Little Para Creek                       | 20     | Pasmore River                         | 100    |
| Gawler River                            | 80     | Frome River                           | 150    |
| Light River                             | 100    | Clayton River                         | 55     |
| Wakefield River                         | 65     | Cooper or Barcoo River (S.A. portion) | 300    |
| Broughton River                         | 90     | Warburton River (S.A. portion)        | 275    |
| Tod River                               | 26     | Treuer or Macumba River               | 145    |
| Bremer River                            | 40     | Neale's River                         | 200    |
| Angas River                             | 25     | Officer River                         | 100    |
| Finniss River                           | 30     |                                       |        |

**5E. Northern Territory.**—Starting at the north-eastern extremity and going westerly and southerly.

|                      |     |     |                       |     |     |     |
|----------------------|-----|-----|-----------------------|-----|-----|-----|
| McArthur River       | ... | 125 | South Alligator River | ... | ... | 100 |
| Limmen Bight River   | ... | 140 | Mary River            | ... | ... | 100 |
| Roper River          | ... | 260 | Adelaide River        | ... | ... | 110 |
| R. Strangway's River | ... | 85  | Daly River            | ... | ... | 225 |
| L. Chambers Creek    | ... | 85  | Fitznaurice River     | ... | ... | 100 |
| R. The Birdum Creek  | ... | 120 | Victoria River        | ... | ... | 350 |
| Goyder River         | ... | 90  | L. Wickham River      | ... | ... | 75  |
| Liverpool River      | ... | 80  | L. Gordon River       | ... | ... | 65  |

**5F. Western Australia.**—Starting at north-eastern extremity and going westerly, southerly, and easterly.

|                      |     |     |   |     |     |     |
|----------------------|-----|-----|---|-----|-----|-----|
| Ord River            | ... | 300 | Asburbation River (continued)               |     |     |     |
| L. Bow River         | ... | 80  | R. Duck River                               | ... | ... | 75  |
| Pentecost River      | ... | 50  | R. Hardey River                             | ... | ... | 135 |
| L. Chamberlain River | ... | 125 | Lyndon River                                | ... | ... | 140 |
| Durack River         | ... | 160 | Gascoyne River                              | ... | ... | 475 |
| Drysdale River       | ... | 275 | R. Lyons River                              | ... | ... | 225 |
| King Edward River    | ... | 150 | Wooramel River                              | ... | ... | 150 |
| R. Carson River      | ... | 85  | Murchison River                             | ... | ... | 440 |
| Moran River          | ... | 50  | L. Sanford River                            | ... | ... | 110 |
| Isdell River         | ... | 115 | L. Roderick River                           | ... | ... | 80  |
| Lennard River        | ... | 165 | Greenough River                             | ... | ... | 170 |
| Fitzroy River        | ... | 325 | Moore River                                 | ... | ... | 100 |
| L. Jurgurra River    | ... | 90  | Swan River (upper portion called Avon Riv.) | 240 |     |     |
| L. Christmas River   | ... | 165 | L. Helena River                             | ... | ... | 40  |
| L. Margaret River    | ... | 430 | Murray River                                | ... | ... | 70  |
| R. Adcock River      | ... | 75  | Collie River                                | ... | ... | 60  |
| R. Hann River        | ... | 130 | Preston River                               | ... | ... | 40  |
| De Grey River        | ... | 190 | Blackwood River                             | ... | ... | 190 |
| L. Shaw River        | ... | 135 | Warren River                                | ... | ... | 55  |
| L. Coongan River     | ... | 110 | Frankland River                             | ... | ... | 80  |
| R. Oakover River     | ... | 180 | Kalgan River                                | ... | ... | 65  |
| Turner River         | ... | 75  | Pallinup River                              | ... | ... | 75  |
| Yule River           | ... | 140 | Cairdner River                              | ... | ... | 70  |
| Fortescue River      | ... | 340 | Fitzgerald River                            | ... | ... | 40  |
| Robe River           | ... | 75  | Phillips River                              | ... | ... | 45  |
| Cane River           | ... | 65  | Oldfield River                              | ... | ... | 50  |
| Ashburton River      | ... | 220 | Young River                                 | ... | ... | 40  |
| L. Henry River       | ... | 75  | Lort River                                  | ... | ... | 50  |

**5G. Tasmania.**—Starting at the north-eastern extremity and going westerly, southerly, easterly, and northerly.

|   |     |     |                 |     |     |     |    |
|---|-----|-----|-----------------|-----|-----|-----|----|
| Ringarooma River  | ... | 62  | Franklin River  | ... | ... | ... | 16 |
| Boobialla River   | ... | 26  | Rubicon River   | ... | ... | ... | 22 |
| Tomahawk River  | ... | 16  | Mersey River    | ... | ... | ... | 60 |
| Great Forester River                                    | ... | 38  | L. Dasher River | ... | ... | ... | 17 |
| Brid River  | ... | 26  | Don River       | ... | ... | ... | 20 |
| Little Forester River                                   | ... | 27  | Forth River     | ... | ... | ... | 52 |
| Piper's River   | ... | 30  | L. Dove River   | ... | ... | ... | 14 |
| Tamar River (formed by junction of North and South Esk) | ... | 49  | Gawler River    | ... | ... | ... | 15 |
| North Esk River   | ... | 45  | Leven River     | ... | ... | ... | 50 |
| R. St. Patrick's River                                  | ... | 30  | Blythe River    | ... | ... | ... | 30 |
| South Esk River   | ... | 120 | Emu River       | ... | ... | ... | 24 |
| L. Lake River   | ... | 45  | Cam River       | ... | ... | ... | 25 |
| L. Macquarie River                                      | ... | 73  | Inglis River    | ... | ... | ... | 25 |
| R. Elizabeth River                                      | ... | 35  | Detention River | ... | ... | ... | 15 |
| R. Nile River   | ... | 25  | Black River     | ... | ... | ... | 16 |
| R. Ben Lomond River                                     | ... | 18  | Duck River      | ... | ... | ... | 17 |
| L. St. Paul River                                       | ... | 28  | Montague River  | ... | ... | ... | 23 |
|   |     |     | Welcome River   | ... | ... | ... | 14 |

|  | MILES |                          | MILES |
|--|-------|--------------------------|-------|
| Arthur River   | 63    | Old River                | 16    |
| L. Frankland River   | 27    | Lune River               | 16    |
| L. Helder River  | 24    | Esperance River          | 14    |
| L. Hellyer River   | 23    | Huon River               | 105   |
| Pieman River (formed by junction of the Murchison and Mackintosh Rivers) | 40    | R. Picton River          | 30    |
| Mackintosh River   | 22    | Derwent River            | 107   |
| Murchison River  | 23    | L. Jordan River          | 58    |
| Little Henty River   | 14    | R. Styx River            | 22    |
| Henty River  | 25    | R. Russell's Falls River | 24    |
| King River   | 31    | L. Clyde River           | 45    |
| Gordon River   | 90    | L. Ouse River            | 62    |
| R. Franklin River  | 61    | L. Dee River             | 20    |
| L. Sprent River  | 23    | L. Nive River            | 40    |
| R. Denison River   | 31    | Coal River               | 40    |
| L. Wedge River   | 16    | Carlton River            | 16    |
| Spero River  | 22    | Prosser River            | 25    |
| Wanderer River   | 16    | Little Swanport River    | 33    |
| Mainwaring River   | 18    | Lisdillon River          | 12    |
| Rocky River  | 18    | Meredith River           | 13    |
| Giblin River   | 14    | Swan River               | 22    |
| Davey River  | 23    | Apsley River             | 16    |
| R. Hardwood River  | 22    | Scamander River          | 16    |
| Spring River   | 18    | George River             | 29    |
| North River  | 14    | Anson River              | 22    |
|  |       | Great Mussel Roe River   | 31    |

(ii.) *Lakes.* The "lakes" of Australia may be divided into three classes, viz., (a) true permanent lakes; (b) lakes which being very shallow, become mere morasses in dry seasons, or even dry up and finally present a cracked surface of salt and dry mud, and (c) lakes which are really inlets of the ocean, opening out into a lake-like expanse.

The second class (b) is the only one which seems to demand special mention. These are a characteristic of the great central plain of Australia. Some of them (e.g., Lake Torrens, Gairdner, Eyre, Frome) are of considerable extent.

(iii.) *Artesian Areas.* A considerable tract of the plain country of New South Wales and of Queensland carries a water-bearing stratum, usually at a great depth. A large number of artesian bores have been put down, from which there is now a considerable efflux. These are of great value, and render large areas available which otherwise would be difficult to occupy even for pastoral purposes. Western Australia has also an artesian area of considerable magnitude.

The distribution of the rivers and lakes, and the approximate boundaries of the artesian basin, are shewn on the accompanying map.

The statistics relating to artesian bores will be given *in extenso* hereinafter, viz., in the section dealing with Water Conservation.

6. **Orography.**—Owing to the absence of any very high mountain chains, and to the great depression in the centre of Australia, the average elevation of the Australian continent over the level of the surrounding oceans is less than that of any of the other continents. This average, however, has not yet been estimated with any degree of precision.

(i.) *General Description of the Surface.* A section through the continent from east to west, at the point of its greatest breadth, shews first a narrow belt of coastal plain. This plain, extending north and south along the whole eastern coast, is well watered by rivers. Of variable width, seldom more than sixty or seventy miles, and occasionally only a few miles or disappearing altogether, its average may, nevertheless, be taken as about forty to fifty. From this the Great Dividing Range, or Australian Highlands, extending from the north of Queensland to the south of New South Wales, and thence sweeping westward through Victoria, rises often sharply, and frequently presents bold escarpments on its eastern face. The descent on its western slopes is gradual, until in the country to the north of Spencer's Gulf the plain is not above the sea-level, and occasionally is even below it. Then there is another almost imperceptible rise until the mountain ranges of Western Australia are reached, and beyond these another strip of coastal plain.

The great central plain is the most distinctive feature of the Australian continent, and its climatic peculiarities are doubtless to be largely ascribed thereto.

(ii.) *Mountain Systems.* The main mountain feature of Australia is the Great Dividing Range, which runs along the whole eastern coast of the continent, and can be